Manitoba

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Health and Healthy Living
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Santé
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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of July 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of July 2007.

Communicable Diseases

In total, there were **404** new infections occurring across 24 communicable diseases** (excluding sexually transmitted infections and HIV) in July 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of the following diseases:

- *Streptococcus pneumoniae* – 2 cases observed, 0-1 cases expected
- Vancomycin - resistant enterococci (VRE) – 5 cases observed

The expected number of cases and accompanying range is based on the number of cases during June, July and August, 2002-2006.

Together MRSA and *Clostridium difficile* accounted for 61% of all non-STI/HIV related communicable diseases reported to Manitoba Health. *C. difficile* cases tended to be concentrated in the 60+ age group, while cases of MRSA were reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **524** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in July:

- 380 cases of chlamydia (Ct)
- 90 cases of gonorrhoea (GC)
- 49 GC-Ct co-infections and
- 5 cases of syphilis

The 43% of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (56%) were reported for individuals living in the Winnipeg health region and an additional 25% were from the Burntwood health region.

In July, 21 individuals tested positive for Hepatitis C virus (HCV) in Manitoba. 62% of HCV cases, this month, were reported from the Winnipeg health region. About 38% of all HCV positive cases were in the 40-59 year age groups, while 38% of total HCV cases were reported in the age group of 30-39 years. Two Manitobans in their twenties, four between 30 and 39 years of age and three between the ages of 40 and 49 years tested positive for HIV during July 2007.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)
Leishmaniasis – unspecified (ICD9: 085.9)
Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
Schistosomiasis (ICD9: 120)
Streptococcus pneumoniae – other site (ICD9: 041.2)
Strongyloides (ICD9: 127.2)
Vancomycin resistant enterococci (VRE)
Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Please feel free to contact me should you have any questions about this report.
Thank you.

Sincerely,
Myrna Dyck BN, MSc
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR July 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	1		2	0-6	25	26
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0		1
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS				***		16
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			1	0-3	4	3
008.43	CAMPYLOBACTER	25	34	26	13-39	120	129
558.2	CLOSTRIDIUM DIFFICILE	84	83		***	705	628
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	6	4	0-10	11	17
061.0	DENGUE FEVER			0	0-0	2	1
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP		3	1	0-3	4	8
008.0	E. COLI-VEROTOXIGENIC	28	7	14	0-34	66	25
054.3	ENCEPHALITIS	1		0	0-1	1	
005.9	FOOD POISONING OTHER	1		0	0-2	1	
007.1	GIARDIA LAMBLIA	21	10	15	7-23	75	55
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		7
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A	2		2	0-5	9	6
070.3	HEPATITIS B		1	1	0-3	4	3
070.51	HEPATITIS C	24	21	33	17-49	169	194
054.8	HERPES-W-UNSPEC COMPL	1		0	0-1	5	
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA	1		0	0-1	1	
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	1	
027.0	LISTERIA MONOCYTOGENES	1		1	0-2	3	
088.81	LYME DISEASE	1	3	1	0-3	1	3
084	MALARIA	1	1	2	0-6	13	8
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-0		
B95.6	MRSA	161	164	85	0-193	836	1072
072.9	MUMPS	1		1	0-3	1	5
036.89	N.MENINGITIDIS OTHER			0	0-1	2	3
728.86	NECROTIZING FASCIITIS	1	4	1	0-4	11	7
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	1	3	4	0-10	6	9
038.2	PNEUM. SEPTICEMIA	10	6	7	0-14	7[illegible]	51
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		2
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER		1	0	0-2		2
003.0	SALMONELLA	10	13	16	9-23	90	124
120	SCHISTOSOMIASIS			0	0-1		
004	SHIGELLOSIS	1	1	1	0-4	6	8
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		1
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE		2	0	0-1	1	3
127.2	STRONGYLOIDES	1		0	0-1	4	13
037	TETANUS			0	0-1		
130.9	TOXOPLASMOSIS			1	0-5	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		1
013	TUBERCULOSIS - NON-RESP.			2	0-6	18	9
011	TUBERCULOSIS - RESP.	7		6	1-11	51	38
010	TUBERCULOSIS-PRIM.	1		1	0-4	13	2
021.9	TULAREMIA	1		0	0-1	1	
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	1	5		***	26	29
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	3		2	0-6	4	1
047.1	VIRAL MENINGITIS-ECHO	2		4	0-12	7	
047.8	VIRAL MENINGITIS-ENTERO	1			***	3	
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION		1		***		1
198	WNV NEUROLOGICAL SYNDROME	7	3		***	7	3
197	WNV NON-NEUROLOGICAL SYND	11	10		***	11	14
066.3	WNV UNCLASSIFIED		21		***		21
008.44	YERSINIA ENTEROCOLITICA		1	1	0-3	9	7
		413	**404**			**2403**	**2635**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR July 2007

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
008.43	CAMPYLOBACTER			1	2	1	2		1		2	4	1			1	4		6	2	2	2			1	2			34
558.2	CLOSTRIDIUM DIFFICILE						1			1				1		2	1	3	3	6	3	10	6	10	7	18	11		83
007.8	CRYPTOSPORIDIOSIS				1	1	1	1			1								1										6
123.4	DIPHYLLOBOTHRIUM														1			1				1							3
008.0	E.COLI 0157			2	1						2				1					1									7
007.1	GIARDIA LAMBLIA	1						1	1	1	1				1	1	1			1		1							10
070.3	HEPATITIS B																				1								1
070.51	HEPATITIS C													1	2	3	5	3	3		2						1	1	21
088.81	LYME DISEASE																1				1	1							3
084	MALARIA																	1											1
B95.6	MRSA	3	2	5	8	7	7	7	5	5	11	5	3	1	7	9	13	7	1	7	4	4	7	8	8	12	8		164
728.86	NECROTIZING FASCIITIS																2				1		1						4
033.0	PERTUSSIS	1			1							1																	3
003.0	SALMONELLA				1				2	2							1						1	1	2	1	2		13
004	SHIGELLOSIS										1																		1
481	STREP. PNEUMONIAE PNEUMON																		1								1		2
041.2	STREP.PNEUM.OTHER																			1									1
038.2	STREP.PNEUMOCOCCAL SEPTIC											2				1	2		1										6
B96.8	VANCOMYCIN RES. ENTER.																							2	1	2			5
196	WNV Asymptomatic Infectio																						1						1
198	WNV Neurological Syndrome										1									1							1		3
197	WNV Non-Neurological Synd									2						1	1		1	3	2		3		1				14
066.3	WNV Unclassified														1				3	1	4	1	4	1	2	1	3		21
008.44	YERSINIA ENTEROCOLITICA																					1							1
		5	2	8	14	9	11	9	9	11	19	12	4	3	13	18	31	15	20	23	20	21	23	22	22	36	27		408

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR July 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
008.43	CAMPYLOBACTER	12	2		1		5				7		5					1	1				34
558.2	CLOSTRIDIUM DIFFICILE	47	3		5		1	1	4		9		6	1	3			2	1				83
007.8	CRYPTOSPORIDIOSIS	1					2				1				2								6
123.4	DIPHYLLOBOTHRIUM	2																1					3
008.0	E.COLI 0157	3	2				2																7
007.1	GIARDIA LAMBLIA	6									2		1	1									10
070.3	HEPATITIS B	1																					1
070.51	HEPATITIS C	13	1				1	2			2				1						1		21
088.81	LYME DISEASE	1							2														3
084	MALARIA	1																					1
B95.6	MRSA	60	2	3	2		3	4	1		2		3		2		9	65	8				164
728.86	NECROTIZING FASCIITIS	2		1	1																		4
033.0	PERTUSSIS	3																					3
003.0	SALMONELLA	6							1		5			1									13
004	SHIGELLOSIS	1																					1
481	STREP. PNEUMONIAE PNEUMON						1		1														2
041.2	STREP.PNEUM.OTHER	1																					1
038.2	STREP.PNEUMOCOCCAL SEPTIC	5							1														6
B96.8	VANCOMYCIN RES. ENTER.	5																					5
196	WNV Asymptomatic Infectio				1																		1
198	WNV Neurological Syndrome	1			1						1												3
197	WNV Non-Neurological Synd	3	1				1		3		5		1										14
066.3	WNV Unclassified	13	2		1		2		1		1				1								21
008.44	YERSINIA ENTEROCOLITICA												1										1
		187	**13**	**4**	**12**		**18**	**7**	**14**		**35**		**17**	**3**	**9**		**9**	**69**	**10**		**1**		**408**
Missing Investigation Forms (Jan.1 to end of June)		114	11	2	2		8	2	16		4		11		3		7	6	5			1	192

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STI Infection Summary Report - July 2007

DISEASE/INFECTION	MONTHLY TOTAL 2006	MONTHLY TOTAL 2007	YEAR TO DATE 2006	YEAR TO DATE 2007
All Chlamydia Infections	314	429	2387	2737
All Gonorrhea Infections (including PRNG)	118	139	943	786
All Syphilis Infections		5	31	32
Gonorrhea & Chlamydia Co-infections	39	49	303	308
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	8	9	51	39

Total Number of STI Cases by Age and Gender - July 2007

Disease Name	<1 F	<1 M	1-4 F	1-4 M	5-9 F	5-9 M	10-14 F	10-14 M	15-19 F	15-19 M	20-24 F	20-24 M	25-29 F	25-29 M	30-39 F	30-39 M	40-49 F	40-49 M	50-59 F	50-59 M	60-69 F	60-69 M	70-79 F	70-79 M	80+ F	80+ M	Missing age/ gender	Total
Chlamydia Only Cases							2	1	90	33	96	39	50	22	21	19	3	3	1									380
Gonorrhea Only Cases	1								6	5	14	8	13	11	8	6	1	13	2			2						90
Syphilis Only Cases											1					1		2	1									5
GC and CT Cases							1		9	8	8	8	3	3	2	6		1										49
	1						3	1	105	46	119	55	66	36	31	32	4	19	4			2						524
HIV											1	1			1	3	1	2										9

Regional STI Distribution - July 2007

Disease/Infection	Winnipeg	Brandon	N. Eastman		S. Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill		OOP	Missing	TOTAL
*Case Referred to: **			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*			
All Chlamydia Infections	199	20	8	7		10	2	18		20		13	1	14	2	26	63	25				1	429
All Gonorrhea Infections	69		5	4		3		3		5				2	3	15	20	9			1		139
All Syphilis Infections	4			1																			5
GC and CT Infections	21			2		3		2						1	1	6	8	5					49

CDC Surveillance Unit, Public Health Division, Manitoba Health

Wednesday, August 08, 2007